

### Abstract of the Disclosure

At an optical node, variable attenuators VAT 1 to VAT n, TAP 11-1 to TAP 11-n, and photo detectors PD 1 to PD n are disposed corresponding to paths of optical signal components of individual wavelengths that are demultiplexed from a WDM optical signal and that are switched. The TAP 11-1 to TAP 11-n monitor output optical levels of the variable attenuators VAT 1 to VAT n, respectively. The monitored results are processed by a feed-back circuit and output as control signals of the variable attenuators VAT 1 to VAT n.